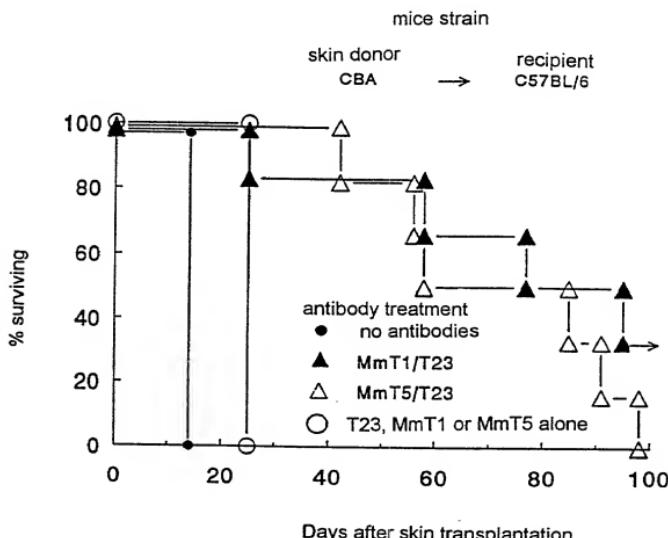


Prolonged immunosuppression due to sequential treatment with 2 anti-T cell antibodies, the Fc regions of which are species-different

Example A: immunosuppression of anti-T cell antibodies with human Fc region
(test report of August 6, 1993)



Therapy scheme: MmT1/T23 = first antibody (MmT1) day 3
second antibody(T23) day 0 and twice a week

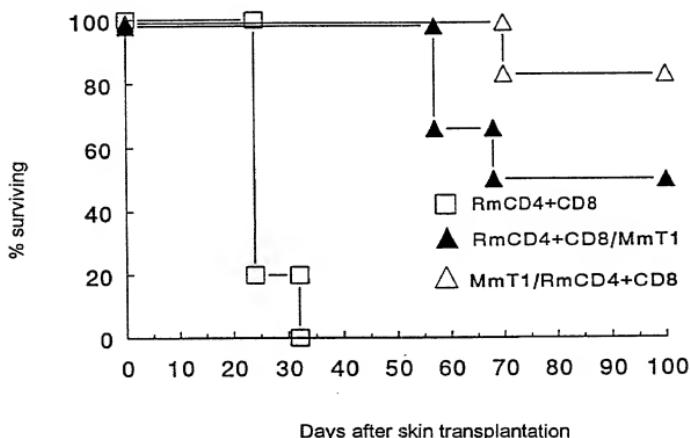
MmT1, MmT5:

Mouse IgG2a anti-mouse-Thy-1.2 antibodies (different idiotype)

T23:

chimerical antibody with MmT1 idiotype (V region) and human Fc IgG1 region

Example B: immunosuppression of anti-T cell antibodies with mouse or rat Fc
region (test report of December 17, 1993)



Therapy scheme: MmT1/RmCD4+CD8 = first antibody (MmT1) day 3
second antibody (RmCD4+RmCD8) - and vice versa - day 0
and twice a week

MmT1: Mouse IgG2a anti-mouse-Thy-1.2 RmCD4+CD8: rat anti-mouse
CD4+CD8 lymphocytes

Fig. 2

Example C

Suppression of antiantibodies by Fc-region-incompatible monoclonal antibody therapy (test report of December 17, 1993)

First antibody	Immunization	Second antibody	Immunization	Anti-antibodies*
RmT1 (rat anti-mouse Thy-1)	-3	RmT1	0, 14, 21	254 +/- 91.5
MmT1 (mouse anti-mouse Thy-1.2)	-3	RmT1	0, 14, 21	2.45 **
		RmCD4 + CD8	0, 9, 19	84.2 +/- 154.2
MmT1	-3	RmCD4 + CD8	0, 9, 19	1.09 +/- 1.4
RmCD4 (rat anti-mouse CD4)	-3	MmT1	0, 9	23.9
RmCD4+CD8 (rat anti-mouse- CD4 + CD8)	-3	MmT1	0, 9	0.79 +/- 1.07

Groups of 4 to 6 C57BL/6 mice were injected 400 µg of the first and 500 µg of the second antibody. Tail blood was drawn 6 to 10 days after the last injection in order to determine the antiantibody level, which was extremely low or zero where there was a species difference (rat/mouse or mouse/rat) between the first and the second antibody.

* - ug/ml Serum (mean value +/- SD)

** - in 3 of 4 mice no antibodies could be detected at all

Fig. 3